



Docket: 06055

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: **MAIL STOP ISSUE FEE**
Arild RÖDLAND Art Unit: 3672
Serial No: 10/581,022 Examiner: Neuder, William P.
Filed: November 9, 2007
For: METHOD, DRILLING MACHINE, DRILL BIT AND BOTTOM HOLE
ASSEMBLY FOR DRILLING BY ELECTRICAL DISCHARGE PULSES

REQUEST TO CORRECT INVENTORSHIP UNDER 37 C.F.R. 1.48(a)

Commissioner for Patents
Customer Service Window, Mail Stop Issue Fee
Randolph Building
401 Dulany Street
Alexandria, VA 22314

Sir:

It is submitted that the inventive entity set forth in the Declaration filed under 37 C.F.R. 1.63, namely, Arild RÖDLAND, is in error, and that such error arose without deceptive intention.

The Issue Fee has not been paid for this application.

Accordingly, pursuant to 37 C.F.R. 1.48(a), the Applicant requests that the inventorship of this application be amended to read as follows:

(1) First Named Inventor: Arild RÖDLAND

(2) Second Named Inventor: Vladimir V. LOPATIN

(3) Third Named Inventor: Vasili M. MURATOV
07/02/2010 JADDO1 00000009 10581022
01 FC:1464

130.00 OP

(4) Fourth Named Inventor: Vladislav F. VAJOV

In support of this request, the following additional evidence is provided in the attachments:

(i) Statements from each of the persons being added as inventors, namely, statements from (a) Vladimir V. LOPATIN, (b) Vasili M. MURATOV, and (c) Vladislav F. VAJOV.

(ii) A Declaration under 37 C.F.R. 1.63 by the actual inventors.

(iii) The Assignee's Submission Establishing Ownership and Consent of Assignee to Correction of Inventorship

(iv) The processing fee set forth in 37 C.F.R 1.17(i).

Favorable action on this request is urged.

Respectfully submitted,
DENNISON, SCHULTZ & MACDONALD

By:



Malcolm J. MacDonald
Reg. No. 40,250
(703) 837-9600 Ext. 24

Date: July 1, 2010

Dennison, Schultz & MacDonald
1727 King St., Suite 105
Alexandria, VA 22314



Docket: 06055

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Arild RÖDLAND

Art Unit: 3672

Serial No: 10/581,022

Examiner: Neuder, William P.

Filed: November 9, 2007

For: METHOD, DRILLING MACHINE, DRILL BIT AND BOTTOM HOLE
ASSEMBLY FOR DRILLING BY ELECTRICAL DISCHARGE PULSES

DECLARATION OF VLADIMIR V. LOPATIN

Commissioner for Patents
Customer Service Window
Randolph Building
401 Dulany Street
Alexandria, VA 22314

Sir:

I, Vladimir V. Lopatin, do hereby declare:

I am an inventor of the technology disclosed in
International Application No. PCT/NO2004/000369, filed on
November 30, 2004, and which entered the U.S. National Stage on
May 30, 2006, as U.S. application Serial No. 10/581,022, and
completing the 35 U.S.C. 371 requirements on November 9, 2007.

I am also an inventor of the subject matter of allowed
claims 59-116 of U.S. application Serial No. 10/581,022.

I am aware that an error in inventorship occurred when
International Application No. PCT/NO2004/000369 was filed under
the PCT, in that I was not included as an inventor. As a

result, I was not included as an inventor on the declaration filed in U.S. application Serial No. 10/581,022.

To the best of my knowledge and belief, the following persons are the inventors of this technology, and the subject matter claimed in allowed claims 59-116 of U.S. application Serial No. 10/581,022: (1) Arild Rödland, (2) Vladimir V. Lopatin, (3) Vasili M. Muratov, and (4) Vladislav F. Vajov.

The error in inventorship occurred without deceptive intent.

All statements made herein of my own knowledge are true, all statements made herein on information and belief are believed to be true, that these statements were made with the knowledge that willful false statements and the like are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001, and may jeopardize the validity of the application or any patent issuing thereon.

Date: 21.06.2010

Signed: 
Vladimir V. Lopatin



Docket: 06055

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Arild RÖDLAND

Art Unit: 3672

Serial No: 10/581,022

Examiner: Neuder, William P.

Filed: November 9, 2007

For: METHOD, DRILLING MACHINE, DRILL BIT AND BOTTOM HOLE
ASSEMBLY FOR DRILLING BY ELECTRICAL DISCHARGE PULSES

DECLARATION OF VASILI M. MURATOV

Commissioner for Patents
Customer Service Window
Randolph Building
401 Dulany Street
Alexandria, VA 22314

Sir:

I, Vasili M. Muratov, do hereby declare:

I am an inventor of the technology disclosed in
International Application No. PCT/NO2004/000369, filed on
November 30, 2004, and which entered the U.S. National Stage on
May 30, 2006, as U.S. application Serial No. 10/581,022,
completing the 35 U.S.C. 371 requirements on November 9, 2007.

I am also an inventor of the subject matter of allowed
claims 59-116 of U.S. application Serial No. 10/581,022.

I am aware that an error in inventorship occurred when
International Application No. PCT/NO2004/000369 was filed under
the PCT, in that I was not included as an inventor. As a

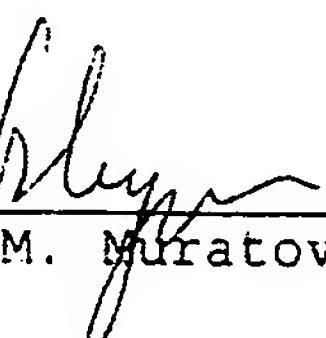
result, I was not included as an inventor on the declaration filed in U.S. application Serial No. 10/581,022.

To the best of my knowledge and belief, the following persons are the inventors of this technology, and the subject matter claimed in allowed claims 59-116 of U.S. application Serial No. 10/581,022: (1) Arild Rödland, (2) Vladimir V. Lopatin, (3) Vasili M. Muratov, and (4) Vladislav F. Vajov.

The error in inventorship occurred without deceptive intent.

All statements made herein of my own knowledge are true, all statements made herein on information and belief are believed to be true, that these statements were made with the knowledge that willful false statements and the like are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001, and may jeopardize the validity of the application or any patent issuing thereon.

Date: 21.06.2010

Signed: 
Vasili M. Muratov



Docket: 06055

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Arild RÖDLAND

Art Unit: 3672

Serial No: 10/581,022

Examiner: Neuder, William P.

Filed: November 9, 2007

For: METHOD, DRILLING MACHINE, DRILL BIT AND BOTTOM HOLE
ASSEMBLY FOR DRILLING BY ELECTRICAL DISCHARGE PULSES

DECLARATION OF VLADISLAV F. VAJOV

Commissioner for Patents
Customer Service Window
Randolph Building
401 Dulany Street
Alexandria, VA 22314

Sir:

I, Vladislav F. Vajov, do hereby declare:

I am an inventor of the technology disclosed in
International Application No. PCT/NO2004/000369, filed on
November 30, 2004, and which entered the U.S. National Stage on
May 30, 2006, as U.S. application Serial No. 10/581,022,
completing the 35 U.S.C. 371 requirements on November 9, 2007.

I am also an inventor of the subject matter of allowed
claims 59-116 of U.S. application Serial No. 10/581,022.

I am aware that an error in inventorship occurred when
International Application No. PCT/NO2004/000369 was filed under
the PCT, in that I was not included as an inventor. As a

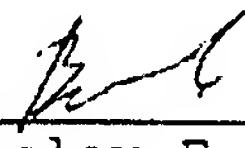
result, I was not included as an inventor on the declaration filed in U.S. application Serial No. 10/581,022.

To the best of my knowledge and belief, the following persons are the inventors of this technology, and the subject matter claimed in allowed claims 59-116 of U.S. application Serial No. 10/581,022: (1) Arild Rödland, (2) Vladimir V. Lopatin, (3) Vasili M. Muratov, and (4) Vladislav F. Vajov.

The error in inventorship occurred without deceptive intent.

All statements made herein of my own knowledge are true, all statements made herein on information and belief are believed to be true, that these statements were made with the knowledge that willful false statements and the like are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001, and may jeopardize the validity of the application or any patent issuing thereon.

Date: 21.06.2010

Signed: 
Vladislav F. Vajov



Attorney docket: 06055

DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION

As a below named Inventor, I hereby declare that:

My residence, post office address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which patent is sought on the invention entitled:

METHOD, DRILLING MACHINE, DRILL BIT AND BOTTOM HOLE ASSEMBLY FOR DRILLING BY ELECTRICAL DISCHARGE PULSES

for which an application was filed under the Patent Cooperation Treaty designating the United States of America on November 30, 2004, as International Application No. PCT/NO2004/000369, and which entered the U.S. National Stage on May 30, 2006, as application Serial No. 10/581,022.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application No.	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Claimed Yes	Priority Claimed No	Certified Copy Attached Yes	Certified Copy Attached No
20035338	NO	12/01/2003	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

I hereby claim the benefit under 35 U.S.C. 119(e) of a United States provisional application(s) listed below.

Application Number	Filing Date (MM/DD/YYYY)

I hereby claim the benefit under 35 U.S.C. 120 of any United States application(s), or 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

U.S. or PCT Parent Application No.	Parent Filing Date (MM/DD/YYYY)	Parent Patent No. (if applicable)

As a named inventor, I hereby appoint the following registered practitioner(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

Donald L. Dennison Reg. No. 19920
Ira J. Schultz Reg. No. 28666
Malcolm J. MacDonald Reg. No. 40250

Customer Number: 23338

Direct all correspondence to:
DENNISON, SCHULTZ & MACDONALD
1727 King Street, Suite 105
Alexandria, VA 22314-2700

Direct telephone calls to:
Malcolm J. MacDonald
Phone: (703) 837-9600, Ext. 24 Facsimile: (703) 837-0980

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or Imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

(1) First Named Inventor: Arild RÖDLAND
Inventor's Signature: _____
Residence: Trondhjem, NORWAY

STAVANGER, NORWAY

Post Office Address: Elizabethtown, PA

Date: 16/10

Citizenship: Norway

Post Office Address: Fjordgt. 72, N-7010 Trondheim, NORWAY

(2) Second Named Inventor: Vladimir V. LOPATIN

Inventor's Signature:

Residence: Tomsk RUSSIA

Residence: TOMSK, RUSSIA
Post Office Address: High Voltage Research Institute, Tomsk Polytechnic University, 2a Lenin
Ave., Tomsk 634-050 RUSSIA
Citizenship: Russia

(3) Third Named Inventor: Vasili M. MURATOV

Inventor's Signature:

Residence: Tomsk RUSSIA

Residence: Tomsk, RUSSIA
Post Office Address: High Voltage Research Institute, Tomsk Polytechnic University, 2a Lenin
Ave. Tomsk 634-050 RUSSIA

(4) Fourth Named Inventor: Vladislav F. VAJOV

Inventor's Signature:

Residence: Tomsk RUSSIA

Residence: Tomsk, RUSSIA
Post Office Address: High Voltage Research Institute, Tomsk Polytechnic University, 2a Lenin
Ave, Tomsk 634 050, RUSSIA

Date: _____

Date

Date.

PLEASE ASSOCIATE THIS APPLICATION WITH CUSTOMER NUMBER 23328



Attorney docket: 06055

DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION

As a below named Inventor, I hereby declare that:

My residence, post office address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which patent is sought on the invention entitled:

METHOD, DRILLING MACHINE, DRILL BIT AND BOTTOM HOLE ASSEMBLY FOR DRILLING BY ELECTRICAL DISCHARGE PULSES

for which an application was filed under the Patent Cooperation Treaty designating the United States of America on November 30, 2004, as International Application No. PCT/NO2004/000369, and which entered the U.S. National Stage on May 30, 2006, as application Serial No. 10/581,022.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application No.	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Claimed Yes	Priority Claimed No	Certified Copy Attached Yes	Certified Copy Attached No
20035338	NO	12/01/2003	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

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Application Number	Filing Date (MM/DD/YYYY)

I hereby claim the benefit under 35 U.S.C. 120 of any United States application(s), or 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

U.S. or PCT Parent Application No.	Parent Filing Date (MM/DD/YYYY)	Parent Patent No. (if applicable)

As a named inventor, I hereby appoint the following registered practitioner(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

Donald L. Dennison Reg. No. 19920
Ira J. Schultz Reg. No. 28666
Malcolm J. MacDonald Reg. No. 40250

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Direct telephone calls to:
Malcolm J. MacDonald
Phone: (703) 837-9600, Ext. 24 Facsimile: (703) 837-0980

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or Imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

(1) First Named Inventor: Arild RÖDLAND

Inventor's Signature: _____ Date: _____
Residence: Trondheim, NORWAY Citizenship: Norway

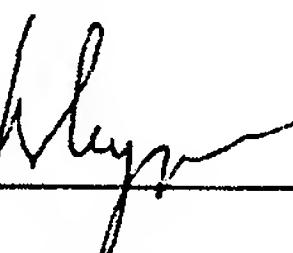
Post Office Address: Fjordgt. 72, N-7010 Trondheim, NORWAY

(2) Second Named Inventor: Vladimir V. LOPATIN

Inventor's Signature:  Date: 21.06.2010
Residence: Tomsk, RUSSIA Citizenship: Russia

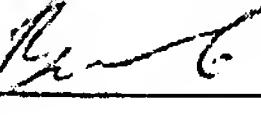
Post Office Address: High Voltage Research Institute, Tomsk Polytechnic University, 2a Lenin
Ave., Tomsk 634-050, RUSSIA

(3) Third Named Inventor: Vasili M. MURATOV

Inventor's Signature:  Date: 21.06.2010
Residence: Tomsk, RUSSIA Citizenship: Russia

Post Office Address: High Voltage Research Institute, Tomsk Polytechnic University, 2a Lenin
Ave., Tomsk 634-050, RUSSIA

(4) Fourth Named Inventor: Vladislav F. VAJOV

Inventor's Signature:  Date: 21.06.2010
Residence: Tomsk, RUSSIA Citizenship: Russia

Post Office Address: High Voltage Research Institute, Tomsk Polytechnic University, 2a Lenin
Ave., Tomsk 634-050, RUSSIA

PLEASE ASSOCIATE THIS APPLICATION WITH CUSTOMER NUMBER 23338

Docket: 06055

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Arild RÖDLAND

Art Unit: 3672

Serial No: 10/581,022

Examiner: Neuder, William P.

Filed: November 9, 2007

For: METHOD, DRILLING MACHINE, DRILL BIT AND BOTTOM HOLE
ASSEMBLY FOR DRILLING BY ELECTRICAL DISCHARGE PULSES

ASSIGNEE'S SUBMISSION ESTABLISHING OWNERSHIP
AND CONSENT OF ASSIGNEE TO CORRECTION OF INVENTORSHIP

Commissioner for Patents
Customer Service Window
Randolph Building
401 Dulany Street
Alexandria, VA 22314

Sir:

Assignee's Submission Establishing Ownership

Pursuant to 37 C.F.R. 3.73(b), the undersigned, being an authorized officer of the assignee, UNODRILL AS, and having apparent authority to act on its behalf and to sign this document, hereby submits the following documents to establish ownership of U.S. application Serial No. 10/581,022 by UNODRILL AS:

(a) Copy of the executed assignment dated March 28, 2007, evidencing chain of title from inventors Arild Rödland, Vladimir V. Lopatin, Vasili M. Muratov, and Vladislav F. Vajov to UNODRILL AS.



(b) Copy of the Notice of Recordation of Assignment
Document evidencing recordation of the above-referenced
assignment in the U.S. Patent and Trademark Office on April 16,
2007.

The assignment was recorded on Reel 019202 Frame 0805.

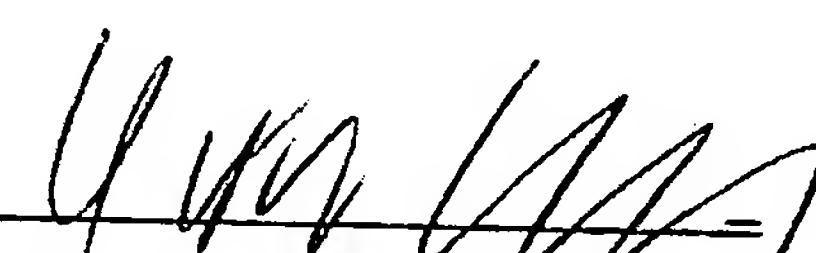
Consent of Assignee to Correction of Inventorship

The undersigned, being an authorized officer of UNODRILL AS, and having apparent authority to act on its behalf, hereby consents to the correction of inventorship of U.S. application Serial No. 10/581,022, as set forth in the accompanying Request to Correct Inventorship.

It is understood that the inventorship will be corrected to include the following persons: Arild Rödland, Vladimir V. Lopatin, Vasili M. Muratov, and Vladislav F. Vajov.

By and on behalf of UNODRILL AS

Date: 15/6.10

Signed: 

Name: ✓ Arild Rödland

Title: Chief Executive Officer



UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

APRIL 24, 2007

PTAS

DENNISON, SCHULTZ & MACDONALD
SUITE 105
1727 KING STREET
ALEXANDRIA, VA 22314



103396925A

UNITED STATES PATENT AND TRADEMARK OFFICE NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 571-272-3350. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, MAIL STOP: ASSIGNMENT SERVICES BRANCH, P.O. BOX 1450, ALEXANDRIA, VA 22313.

RECORDATION DATE: 04/16/2007

REEL/FRAME: 019202/0805
NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).
DOCKET NUMBER: 06055

ASSIGNOR:

RODLAND, ARILD

DOC DATE: 03/28/2007

ASSIGNOR:

LOPATIN, VLADIMIR V.

DOC DATE: 03/28/2007

ASSIGNOR:

MURATOV, VASILI M.

DOC DATE: 03/28/2007

ASSIGNOR:

VAJOV, VLADISLAV F.

DOC DATE: 03/28/2007

ASSIGNEE:

UNODRILL AS
FJORDGT. 72
N-71010 TRONDHEIM, NORWAY

SERIAL NUMBER: 10581022

FILING DATE:

PATENT NUMBER:

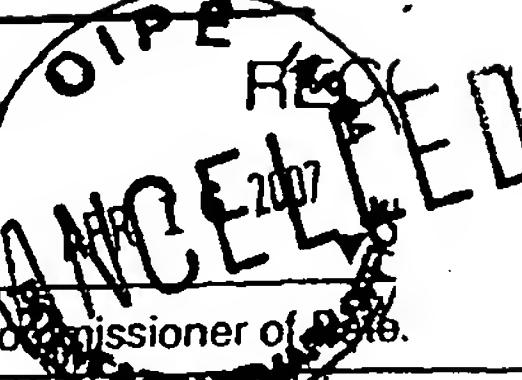
ISSUE DATE:

TITLE: METHOD FOR PRODUCING A MOLDED PIECE

TARA WASHINGTON, EXAMINER
ASSIGNMENT SERVICES BRANCH
PUBLIC RECORDS DIVISION

Tab settings

To the Honorable Commissioner of Patents



04-19-2007

103396925

TEET

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

.. 06055

the original documents or copy thereof.

1. Name of conveying party(ies): 4/16/07
Arild RODLAND Vladislav F. VAJOV
Vladimir V. LOPATIN
Vasili M. MURATOV

Additional name(s) of conveying party(ies) attached? Yes No

3. Nature of conveyance:

Assignment Merger
 Security Agreement Change of Name
 Other _____

Execution Date: March 28, 2007

2. Name and address of receiving party(ies)

Name: UNODRILL AS

Internal Address: _____

Street Address: Fjordgt. 72

N-7010 Trondheim, NORWAY

City: _____ State: _____ ZIP: _____

Additional name(s) & address(es) attached? Yes No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application No.(s)

S.N. 10/581,022, filed May 30, 2006

B. Patent No.(s)

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: DENNISON, SCHULTZ & MACDONALD

Internal Address: _____

Suite 105

Street Address: 1727 King Street

City: Alexandria State: VA ZIP: 22314

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41).....\$ 40.00

Enclosed Credit Card Form PTO-2038

Authorized to be charged to deposit account

8. Deposit account number:

04/17/2007 DENNISON 08000095 10581022
(Attach duplicate copy of this page if paying by deposit account)
40.00

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Malcolm J. MacDonald, 40250
Name of Person Signing

Malcolm J. MacDonald
Signature

4/13/07
Date

Total number of pages including cover sheet, attachments, and document: 4

28-Mar-2007 09:36 CURO 72857301

275

02/09/2007 10:08 1-703-837-0900

DENNISON SCHULTZ

PAGE 04/07

Attorney Docket No.: 06055

ASSIGNMENT

Whereas I, the undersigned Inventor, having a place of residence as set forth below, have invented a certain improvement in a METHOD, DRILLING MACHINE, DRILL BIT AND BOTTOM HOLE ASSEMBLY FOR DRILLING BY ELECTRICAL DISCHARGE PULSES, a utility patent application for which was filed in the U.S. Patent and Trademark Office on May 30, 2006, Serial No. 10/581,022.

Whereas, UNODRILL AS, of Fjordgt. 72, N-7010 Trondheim, Norway (hereinafter "Assignee"), is desirous of acquiring the entire right, title and interest in and to said invention or improvement;

Now, Wherefore, in consideration of \$1, receipt of which is hereby acknowledged, and other good and valuable consideration, I, by these presents, do sell, assign and transfer unto said Assignee, its successors, assigns and other legal representatives in and for the United States and its territories and for all foreign countries, the full and exclusive right in and to said invention as described in said application, together with any Letters Patent that may be granted on said application, and any divisions, reissues, continuations or extensions thereof that claim priority to said application; and authorize and request the Commissioner of Patents to issue any Letters Patent resulting therefrom to said Assignee; and covenant that I have full right to do so; and agree that I shall communicate to said Assignee or its representatives any facts known to me respecting said improvement and testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation and reissue applications in connection therewith, make all rightful oaths and declarations, and generally do everything possible to aid said Assignee, its successors, assigns or nominees to obtain and enforce proper protection for said improvement;

I hereby authorize my attorneys, identified in the declaration constituting a part of said application, to insert in this Assignment the serial number and filing date of the above-identified application when known.

Name of First Inventor: Arild RÖDLAND
Address: Fjordgt. 72, N-7010 Trondheim, NORWAY

Inventor's Signature: Arild Rödlund

Date: 28.03.2007

Name of Second Inventor: Vladimir V. LOPATIN
Address: High Voltage Research Institute, Tomsk Polytechnic University, 2a Lenin Ave, Tomsk 634-050, RUSSIA

Inventor's Signature: Vladimir V. Lopatin

Date: 2007.03.28

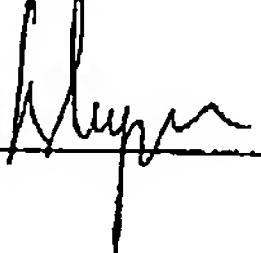
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Name of Third Inventor: Vasili M. MURATOV

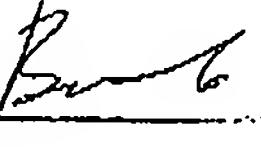
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Inventor's Signature: 

Date: 28.03.2007

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Inventor's Signature: 

Date: 28.03.2007

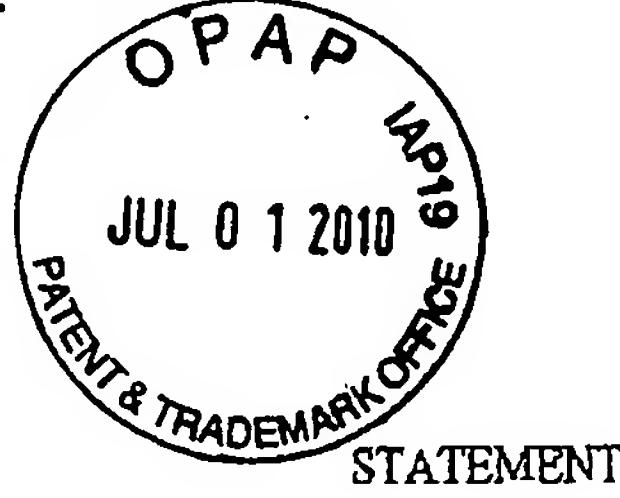
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We, the undersigned, confirm herewith that the inventors of the inventions claimed in the Russian patent application based on PCT/NO2004/000369, are:

1. RÖDLAND, Arild
2. LOPATIN, Vladimir V. (the patronymic must be indicated) *Vasilievich*
3. MURATOV, Vasili M. (the patronymic must be indicated) *Mikhailovich*
4. VAJOV, Vladislav F. (the patronymic must be indicated) *Fedorovich*

Mr. LOPATIN, Vladimir V., Mr. MURATOV, Vasili M., Mr. VAJOV, Vladislav F. have not been included into the list of the inventors of International application PCT/NO2004/000369 by mistake, but in fact they also are the inventors who took part in the creation of the invention as it was claimed in the said international application.

RÖDLAND, Arild

Signature, name, date

LOPATIN, Vladimir V.
(the patronymic must be indicated)

MURATOV, Vasili M.
(the patronymic must be indicated)

VAJOV, Vladislav F.
(the patronymic must be indicated)

UNODRILL AS

Signature, name

Position, date

Position, date

Position, date

Position, date